

FIG. 1

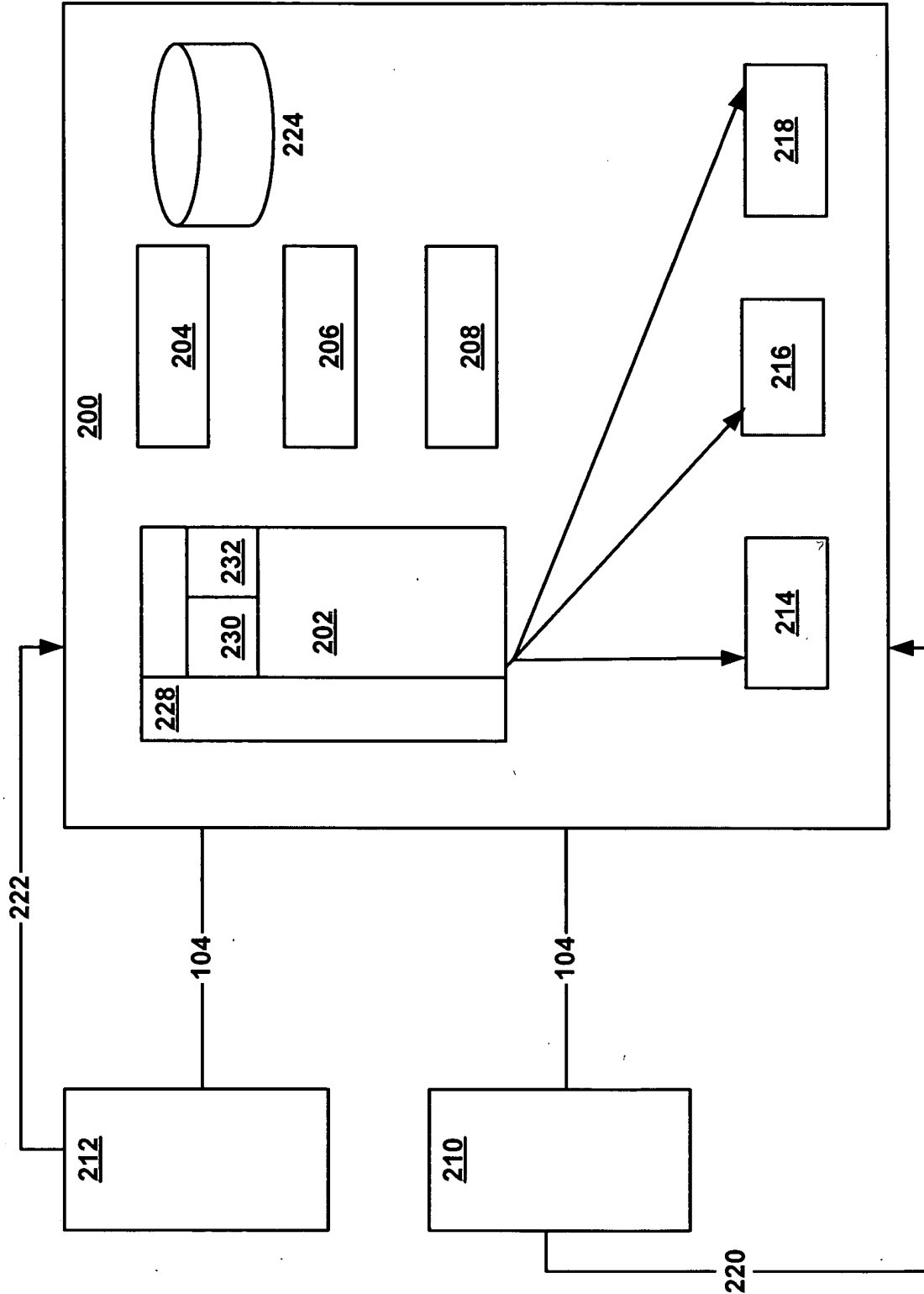


FIG. 2

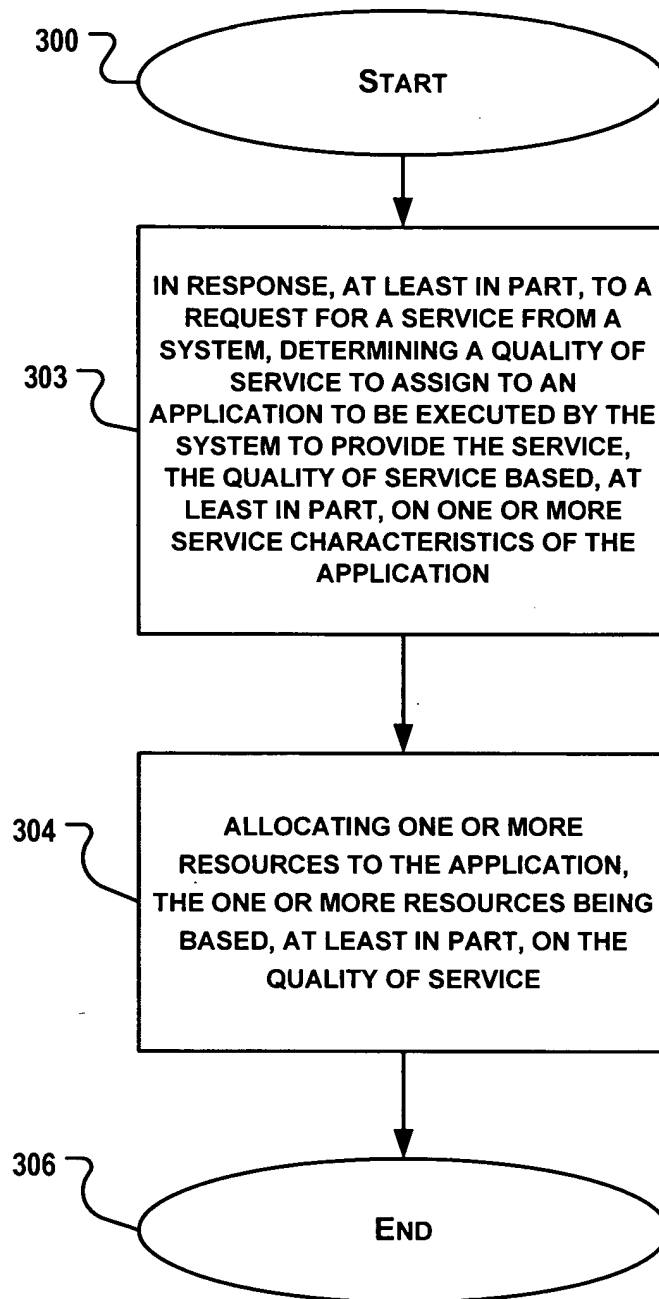


FIG. 3

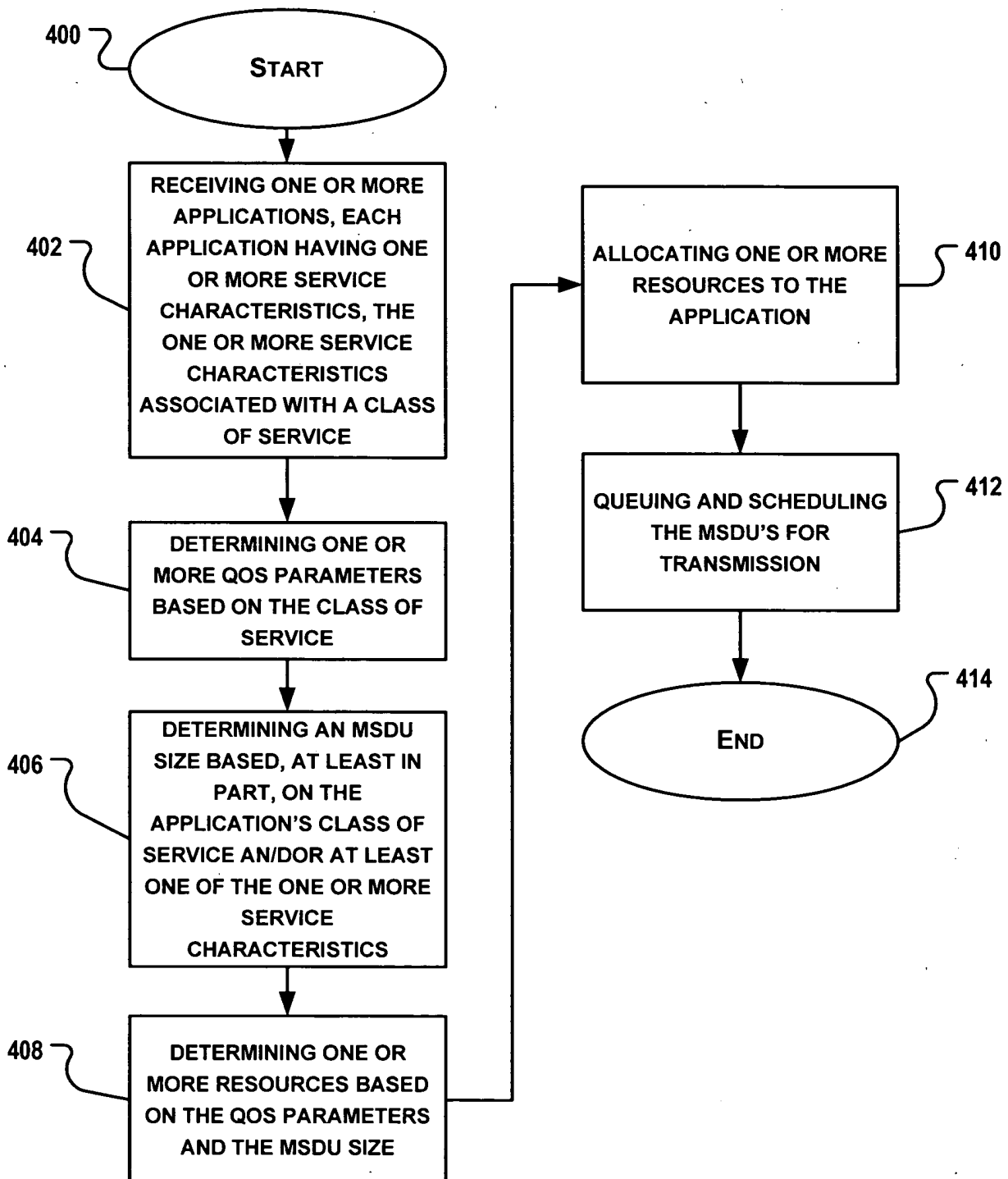


FIG. 4

Examples of Applications	Bandwidth	Burstiness	Packet Loss	Delay
Compressed Voice <u>500</u>	8-13 Kbps <u>520</u>	4-8 <u>522</u>	10^{-6} <u>524</u>	≤ 140 ms, Stable <u>526</u>
PCM Voice <u>502</u>	64 Kbps <u>528</u>	1 <u>530</u>	10^{-4} <u>532</u>	≤ 140 ms, Stable <u>534</u>
E-Mail <u>504</u>	46 Kbps <u>536</u>	1-10 <u>538</u>	10^{-9} <u>540</u>	Minutes-Hrs <u>542</u>
Internet Chat <u>506</u>	46 Kbps <u>544</u>	10-100 <u>546</u>	10^{-9} <u>548</u>	Seconds <u>550</u>
Client/Server <u>508</u>	10-100 Mbps <u>552</u>	1000 <u>554</u>	10^{-9} <u>556</u>	10-400 ms <u>558</u>
MPEG2 <u>510</u>	1.4-6 Mbps <u>560</u>	1-2 <u>562</u>	10^{-12} <u>564</u>	40 ms, Stable <u>566</u>
HDTV <u>512</u>	31-248 Mbps <u>568</u>	2-4 <u>570</u>	10^{-12} <u>572</u>	40 ms, Stable <u>574</u>

FIG. 5

224

Class of Service <u>600</u>	AIFS <u>620</u>	CW _{min} <u>622</u>	CW _{max} <u>624</u>	PF <u>606</u>	Priority <u>618</u>
Conversational/Streaming Voice <u>602</u>	34 ms <u>628</u>	5 <u>630</u>	15 <u>632</u>	2 <u>634</u>	1 <u>691</u>
Conversational Video <u>604</u>	34 ms <u>636</u>	5 <u>638</u>	10 <u>640</u>	2 <u>642</u>	2 <u>692</u>
Conversational Data <u>606</u>	40 ms <u>644</u>	5 <u>646</u>	20 <u>648</u>	3 <u>650</u>	3 <u>693</u>
Streaming Audio <u>608</u>	40 ms <u>652</u>	6 <u>654</u>	22 <u>656</u>	3 <u>658</u>	4 <u>694</u>
Streaming Video <u>610</u>	40 ms <u>660</u>	6 <u>662</u>	20 <u>664</u>	3 <u>666</u>	5 <u>695</u>
Streaming Data <u>612</u>	50 ms <u>668</u>	10 <u>670</u>	15 <u>672</u>	4 <u>674</u>	6 <u>696</u>
Interactive <u>614</u>	100 ms <u>676</u>	100 <u>678</u>	100 <u>680</u>	15 <u>682</u>	7 <u>697</u>
Background <u>616</u>	200 ms <u>684</u>	150 <u>686</u>	150 <u>688</u>	20 <u>690</u>	8 <u>698</u>

FIG. 6

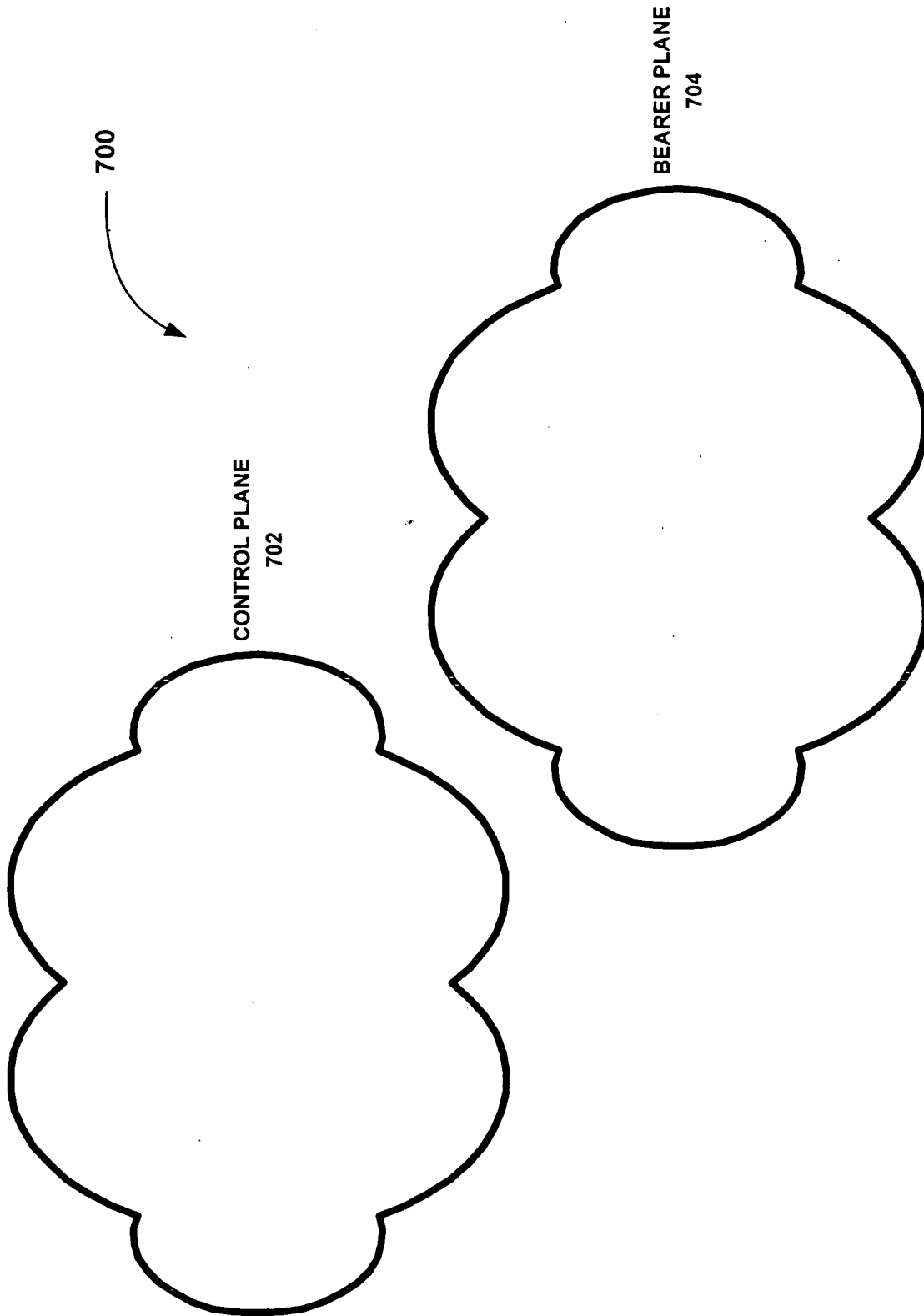


FIG. 7